

Abstract

5 The invention relates to uninterruptible power supply devices which make it possible to supply emergency power to a load, which is to be supplied, in the event of mains failure.

10 The invention is based on the object of providing a device for supplying uninterruptible power, which device can be operated in a more energy-saving manner and in which the emergency power can be controlled in a rapid and safe manner.

15 To this end, the uninterruptible power supply device (10) has a power transistor (42) which can be rapidly switched and can be used to connect a standby power source (60) to the output connections (100, 101) during emergency power operation. The output current can also be dynamically limited by driving the power transistor, which can be rapidly switched, in a corresponding manner.

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In addition, the input and output of the UPS device (10) are decoupled using a field effect transistor (22) that acts as a power transistor.

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